

SASB INDEX (Chemicals) VERSION 2023-06

This page summarizes and discloses ESG information in accordance with the SASB Standard_2023, a framework for ESG information disclosure published by the Sustainability Accounting Standards Board (SASB) in the U.S. We will continue to expand the content disclosed.

Environmental conservation

TOPIC	ACCOUNTING METRIC	CODIFIED METRIC CODE	Response status, data, etc.
Greenhouse Gas Emissions	Gross global Scope 1 emissions, percentage covered under emissions-limiting regulations	RT-CH-110a.1	Environment See page 13 <Relationship between business activities and the environment> See page 14 <CO ₂ emission> Scope1: 66.8 t-CO ₂ , Scope2: 1,355.3 t-CO ₂ Scope3: Under considering
	Discussion of long- and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	RT-CH-110a.2	As Scope 1 is low at about 5% across the Company, we will consider whether to set the emission reduction target as Scope 1.
Air Quality	Air emissions of the following pollutants: (1) NOX (excluding N ₂ O), (2) SOX, (3) volatile organic compounds (VOCs), and (4) hazardous air pollutants (HAPs)	RT-CH-120a.1	N/A No air pollutants are emitted during the manufacturing process.
Energy Management	(1) Total energy consumed, (2) percentage grid electricity, (3) percentage renewable and (4) total self-generated energy	RT-CH-130a.1	Environment See page 14 <Electricity consumption> (1) 11,229GJ (2) 100% (3) 0% (4) None
Water Management	(1) Total water withdrawn, (2) total water consumed; percentage of each in regions with High or Extremely High Baseline Water Stress	RT-CH-140a.1	Environment See page 14 <Water usage and amount of wastewater> (1) 40,382 m ³ (2) 18,115 m ³ (total consumption is calculated by [water consumption - water discharge]) Water stress: Amagasaki Plant and Nagaoka Plant, low to medium (10 - 20%) (Survey using the World Resources Institute's Aqueduct Water Risk Atlas)
	Number of incidents of non-compliance associated with water quality permits, standards and regulations	RT-CH-140a.2	Number of violations of laws and regulations related to water quality: 0
	Description of water management risks and discussion of strategies and practices to mitigate those risks	RT-CH-140a.3	Water is used as one of the raw materials, and since water is used more in research and development activities and production activities, water usage is strictly controlled.
Hazardous Waste Management	Amount of hazardous waste generated, percentage recycled	RT-CH-150a.1	Hazardous waste (industrial waste specially controlled by the Waste Management and Public Cleansing Law) Total volume 269 tons, recycling rate 40.7%
Community Relations	Discussion of engagement processes to manage risks and opportunities associated with community interests	RT-CH-210a.1	Social See page 21 <Together with Local Communities> We hold explanatory meetings in the neighborhood (plant tours) and cooperate with evacuation drills at neighborhood nurseries.
Product Design for Use-phase Efficiency	Revenue from products designed for use-phase resource efficiency	RT-CH-410a.1	—

Occupational safety / Management of chemical substances

TOPIC	ACCOUNTING METRIC	CODIFIED METRIC CODE	Response status, data, etc.
Workforce Health & Safety	(1) Total recordable incident rate (TRIR) and (2) fatality rate for (a) direct employees and (b) contract employees	RT-CH-320a.1	Social See page 20 <Safe working environment> (1) (a) Directly hired employees: 0.0, (b) Indirectly hired employees: 0.0 *All industrial accidents occurred due to accidents not accompanied by lost time (2) In-service fatality rate: 0%
	Description of efforts to assess, monitor, and reduce exposure of employees and contract workers to long-term (chronic) health risks	RT-CH-320a.2	Social See page 19 <Improving the health of our employees> Regular medical examinations, special medical examinations, mental health checks, etc. Diagnosis rate: Approx.100% We conduct re-examination and consultation with a dietitian for those with findings after a health check-up.
Safety & Environmental Stewardship of Chemicals	(1) Percentage of products that contain Globally Harmonised System of Classification and Labelling of Chemicals (GHS) Category 1 and 2 Health and Environmental Hazardous Substances, (2) percentage of such products that have undergone a hazard assessment	RT-CH-410b.1	—
	Discussion of strategy to (1a) manage chemicals of concern and (2b) develop alternatives with reduced human and/or environmental impact	RT-CH-410b.2	As a chemical manufacturer, we check relevant laws and regulations in Japan and overseas for chemical substances and acknowledge hazard information. We have specified banned substances and have established a system that does not contain them from the R&D stage. Many of our products fall under categories 1 and 2 of the GHS classification. We recognize that all products are hazardous as long as they use chemical substances, and communicate hazard information on the SDS and labels when they are supplied. We inform our customers so that they will handle the product based on the hazard information.
Management of the Legal & Regulatory Environment	Discussion of corporate positions related to government regulations and/or policy proposals that address environmental and social factors affecting the industry	RT-CH-530a.1	We are subject to various laws and regulations in Japan and overseas, including those related to the handling, research, manufacture, storage, transportation, and sales of hazardous chemical substances such as poisonous and deleterious substances. Regulations on chemical substances are expected to become increasingly strict in the future, and we are making efforts to respond positively to these regulations and to minimize the impact on our business.
Operational Safety, Emergency Preparedness, and Response	Process Safety Incidents Count (PSIC), Process Safety Total Incident Rate (PSTIR), and Process Safety Incident Severity Rate (PSISR)	RT-CH-540a.1	We regard health and safety as the first priority, and we are responsible as a corporation for our efforts to achieve zero accidents and zero disasters. In order to handle toxic and toxic chemicals such as poisonous and deleterious substances, we regard chemical leaks during transportation as important incidents and have established a system to prevent environmental pollution caused by chemical leaks caused by accidents. Number of leak incidents that fall under the category of serious incidents: 0
	Number of transport incidents	RT-CH-540a.2	12 transport accidents (3 cases of leakage and 9 cases of damage to containers)
Genetically Modified Organisms	Percentage of products by revenue that contain genetically modified organisms (GMOs)	RT-CH-410c.1	N/A

TOPIC	ACTIVITY METRIC	CODIFIED METRIC CODE	Response status, data, etc.
Production by reportable segment	Production volume	RT-CH-000.A	21,232 t